

### AMENDMENTS TO THE CLAIMS

1. (Currently amended) A radar apparatus ~~or like~~ comprising:

a coordinate converter ~~for converting~~that converts detected data at each sample point obtained in a polar coordinate system into a rectangular coordinate system;

a detected image data generator ~~for generating~~that generates a pixel of detected image data ~~corresponding to each pixel in an image memory~~ based on each point of the converted detected data; and

an image memory ~~for storing~~that stores the generated pixels of detected image data ~~output from the detected image data generator;~~

~~wherein the apparatus comprises a~~ data shifter ~~for shifting~~that shifts detected image data input from the detected image data generator with predetermined timing and ~~outputting outputs~~ the shifted detected image data, ~~and data; and~~

an azimuth direction detected image data corrector for comparingthat compares generated pixels of detected image data of a current sweep ~~from the detected image data generator with shifted~~ detected image data of a previous sweep ~~from the data shifter~~ at the same position in a sweep distance direction, and ~~outputting outputs~~ a maximum value of ~~the pieces of~~ detected image data as detected image data of the current sweep.

2. (Currently amended) A radar apparatus ~~or like~~ according to claim 1, ~~wherein the~~ azimuth direction detected image data corrector ~~comprises~~ comprising:

a correction stopper ~~for that~~, when a predetermined number or more of consecutive pieces of detected image data greater than or equal to a predetermined threshold value are present over a plurality of sweeps at the same position in a distance direction, ~~stopping~~ stops replacement of

detected image data of a current sweep with detected image data of a previous sweep based on a sweep on which detected image data at the same position in the distance direction has a value less than the threshold value.

3. (Currently amended) A radar apparatus ~~or like~~ according to claim 1 or 2, the apparatus further comprising:

a distance direction detected image data corrector ~~for comparing~~ that compares a predetermined number of consecutive pieces of detected image data in the distance direction on the same sweep, and ~~outputting~~ outputs most peripheral detected image data of the pieces of detected image data as a maximum value of the consecutive pieces of detected image data.

4. (Currently amended) A radar apparatus ~~or like~~ according to ~~any of claims 1 to 3~~ claim 3, the apparatus further comprising a selector ~~for selecting~~ that selects the number of sweeps to be shifted by the data shifter.

5. (Currently amended) A radar apparatus ~~or like~~ according to claim 4, wherein the selector selects the number of pieces of detected image data to be compared by the distance direction detected image data corrector.

6. (New) A method of generating image data from radar detection data, the method comprising:

converting detected data at each sample point obtained in a polar coordinate system into a rectangular coordinate system;

generating a pixel of detected image data based on each point of the converted detected data;

storing the generated pixels of detected image data;

shifting the generated detected image data with predetermined timing;

outputting the shifted detected image data;

comparing generated pixels of detected image data of a current sweep with shifted detected image data of a previous sweep at the same position in a sweep distance direction; and

outputting a maximum value of pieces of detected image data as detected image data of the current sweep.

7. (New) The method according to claim 6, the method further comprising, when a predetermined number or more of consecutive pieces of detected image data greater than or equal to a predetermined threshold value are present over a plurality of sweeps at the same position in a distance direction:

stopping replacement of detected image data of a current sweep with detected image data of a previous sweep based on a sweep on which detected image data at the same position in the distance direction has a value less than the threshold value.

8. (New) The method according to claim 6 or 7, the method further comprising:

comparing a predetermined number of consecutive pieces of detected image data in the distance direction on the same sweep; and

outputting most peripheral detected image data of the pieces of detected image data as a maximum value of the consecutive pieces of detected image data.

9. (New) The method according to claim 8, the method further comprising selecting the number of sweeps to be shifted.

10. (New) The method according to claim 9, wherein selecting includes selecting the number of pieces of detected image data to be compared during said comparing a predetermined number step.